

Title (en)
Radial gripping system for a timepiece component

Title (de)
Radialverschlussssystem für Uhrwerkskomponente

Title (fr)
Système de serrage radial pour un composant horloger

Publication
EP 2230572 A1 20100922 (FR)

Application
EP 09155376 A 20090317

Priority
EP 09155376 A 20090317

Abstract (en)
The component (1) has an aperture for receiving a support element (3), where the aperture includes a clamping system (13) for exerting radial force to secure the component to the element. The component is made of micro-machinable material. The system has a radial clamping device (15) that includes a crown (6) for exerting the radial force. A concentric blind recess (8) is spaced apart from the aperture for allowing the crown to travel. A locking device (17) has a locking key provided with a collar for cooperating with the recess to limit the travel of a free end of the crown.

Abstract (fr)
L'invention se rapporte à un composant horloger (1) comportant une ouverture (7) destinée à recevoir un élément de support (3) et comprenant un système de serrage (13) destinée à exercer une contrainte radiale permettant audit composant horloger d'être solidaire dudit élément de support. Selon l'invention, le système de serrage (13) comporte un dispositif de pincement radial (15) comportant une couronne (6) destinée à exercer ladite contrainte radiale et un évidement (8) borgne concentrique espacé de ladite ouverture destiné à autoriser le débattement de ladite couronne. L'invention concerne le domaine des pièces d'horlogerie.

IPC 8 full level
G04B 13/02 (2006.01)

CPC (source: EP KR US)
G04B 13/02 (2013.01 - KR); **G04B 13/021** (2013.01 - EP US)

Citation (search report)
• [XY] CH 282774 A 19520515 - UNIVERSO SA [CH]
• [X] FR 382860 A 19080218 - LANGENDORF HORLOGERIE [CH]
• [X] DE 2940223 A1 19810416 - MERKLE PAUL
• [Y] JP S57161680 A 19821005 - MATSUSHITA ELECTRIC WORKS LTD
• [A] EP 1445670 A1 20040811 - ETA SA MFT HORLOGERE SUISSE [CH]
• [A] EP 1850193 A1 20071031 - PATEK PHILIPPE SA [CH]

Cited by
EP2442189A1; EP2442190A1; CN102537026A; US8944676B2; US11675312B2

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CH DE FR GB LI

Designated extension state (EPC)
AL BA RS

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EP 2230572 A1 20100922; EP 2230572 B1 20120125; CN 101840196 A 20100922; CN 101840196 B 20120509; HK 1144212 A1 20110202; JP 2010217185 A 20100930; JP 5189612 B2 20130424; KR 20100105405 A 20100929; RU 2010109850 A 20110927; RU 2525321 C2 20140810; TW 201109869 A 20110316; TW I479286 B 20150401; US 2010238772 A1 20100923; US 8277117 B2 20121002

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EP 09155376 A 20090317; CN 201010136466 A 20100317; HK 10110804 A 20101119; JP 2010061430 A 20100317; KR 20100022016 A 20100312; RU 2010109850 A 20100316; TW 99105975 A 20100302; US 72568210 A 20100317